

Recovery Plan Action Status

Plan Name: Spectacled Eider

Plan Status: Final

Plan Date: 12-Aug-96

Lead Agency: USFWS

Lead Office: Fairbanks Fish And Wildlife Field Office

(907)

456-0203)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Spectacled eider (Somateria fischeri)	1	1.1	Improve education efforts across the range of the spectacled eider to eliminate take and the use of lead shot.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service	Other: Information and Education	Labor type not yet selected	2010-Priority 8
Spectacled eider (Somateria fischeri)	1	1.2	Continue monitoring spectacled eider blood lead levels in areas where information is lacking, such as the North Slope and Russia, and monitor lead levels periodically throughout the range of the eider.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service	Research: Environmental Contaminants	Labor type not yet selected	2010 - Priority 12a
Spectacled eider (Somateria fischeri)	1	1.3	Monitor the use of lead shot by checking hunters and local stores for availability of lead shot.	Discontinued	FY 2000 - FY 2004		U.S. Fish and Wildlife Service	Other: Law Enforcement	Labor type not yet selected	2010 - Action is included in Task 15b; removed from task list.
Spectacled eider (Somateria fischeri)	1	1.4	Start shot settling study on the North Slope.	Not Started			U.S. Fish and Wildlife Service	Research: Environmental Contaminants	Labor type not yet selected	2010 - Priority Medium
Spectacled eider (Somateria fischeri)	2	1.5	Continue the lead shot settling study currently underway on the Yukon Kuskokwim Delta.	Complete	FY 2000 - FY 2004	FY 2011	U.S. Fish and Wildlife Service	Research: Environmental Contaminants	Labor type not yet selected	Complete - removed from task list.
Spectacled eider (Somateria fischeri)	2	1.6	Identify source of lead in North Slope birds.	Complete	FY 2008		U.S. Fish and Wildlife Service	Research: Environmental Contaminants	Labor type not yet selected	Complete - removed from task list (2010)
Spectacled eider (Somateria fischeri)	2	1.7	Conduct a study to determine if lead is consumed via selection as grit or food	Complete		FY 2010	U.S. Fish and Wildlife Service	Research: Environmental Contaminants	Labor type not yet selected	Complete - removed from task list (2010)

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Spectacled eider (Somateria fischeri)	1	1.8	Work toward the prohibition of lead shot on the Yukon Kuskokwim Delta (all seasons and all quarries).	Complete	FY 2000 - FY 2004	FY 2008		Other: Regulations	Labor type not yet selected	
Spectacled eider (Somateria fischeri)	2	10.1	Summarize existing information on effects of eider collisions with structures into one document	Not Started			U.S. Fish and Wildlife Service	Research: Management Techniques	Labor type not yet selected	2008- Priority M
Spectacled eider (Somateria fischeri)	2	10.2	Studies to determine best lighting regime for platforms/boats/towers/turbines	Not Started			U.S. Fish and Wildlife Service	Research: Management Techniques	Labor type not yet selected	2008- Priority M
Spectacled eider (Somateria fischeri)	2	11.1	Periodic monitoring of eggs/birds for contaminants (including PBDE and other emerging contaminants)	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service	Research: Environmental Contaminants	Labor type not yet selected	2008- Priority M
Spectacled eider (Somateria fischeri)	2	11.2	Continue captive studies on metals (COEI as surrogate or SPEI from captive flock overflow)	Not Started			U.S. Fish and Wildlife Service	Research: Environmental Contaminants	Labor type not yet selected	2008- Priority M
Spectacled eider (Somateria fischeri)	3	11.3	Radionuclids/nuclear fallout - put this issue to rest (sample winter prey)	Not Started			U.S. Fish and Wildlife Service	Research: Environmental Contaminants	Labor type not yet selected	2008- Priority L
Spectacled eider (Somateria fischeri)	1	12.1	Continue education program on the effects of ATVs on spectacled eider breeding habitats on the Yukon Delta National Wildlife Refuge.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service	Other: Information and Education	Labor type not yet selected	2010 - Priority 25
Spectacled eider (Somateria fischeri)	3	12.2	Reduce number of trails through select trail improvement	Partially Complete	FY 2000 - FY 2004		U.S. Fish and Wildlife Service	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	2008- Priority L
Spectacled eider (Somateria fischeri)	1	13.1	Investigate competition with walrus in eastern Chukchi Sea.	Partially Complete			U.S. Fish and Wildlife Service	Research: Competition	Labor type not yet selected	2010 - Priority 15c
Spectacled eider (Somateria fischeri)	3	13.2	Investigate competition with walrus south of St. Lawrence Island	Partially Complete	FY 2009		U.S. Fish and Wildlife Service	Research: Competition	Labor type not yet selected	2008- Priority L

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Spectacled eider (Somateria fischeri)	3	13.3	Evaluate patterns of distribution and population change and density dependence and competition between geese and spectacled eiders.	Not Started			U.S. Fish and Wildlife Service	Research: Competition	Labor type not yet selected	2008- Priority L
Spectacled eider (Somateria fischeri)	3	13.4	Summary report on whether competition is a problem and how would we manage it	Discontinued			U.S. Fish and Wildlife Service	Research: Competition	Labor type not yet selected	2010 - Removed from list as it is addressed by more specific tasks such as #15c (competition with walrus).
Spectacled eider (Somateria fischeri)	1	14.1	Characterize locations and use of marine habitats, especially in the Chukchi Sea.	Partially Complete	FY 2008		U.S. Fish and Wildlife Service	Research: Habitat Requirements	Labor type not yet selected	2008- Priority 1
Spectacled eider (Somateria fischeri)	1	14.10.	Monitor for annual survival on the North Slope.	Ongoing Current			U.S. Fish and Wildlife Service	Research: Demographic Studies	Labor type not yet selected	2010 - Priority 24a
Spectacled eider (Somateria fischeri)	1	14.11	Conduct productivity and survival study of spectacled eiders in Arctic Russia comparable to the study conducted at Kigigak Island, Yukon- Kuskokwim Delta.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service	Research: Demographic Studies	Labor type not yet selected	2010 - Priority 27b
Spectacled eider (Somateria fischeri)	1	14.12	Prepare a report to the recovery team summarizing information on the mortality rate of eiders implanted with transmitters with percutaneous antennae.	Complete	FY 2006		U.S. Fish and Wildlife Service	Research: General	Labor type not yet selected	Complete - removed from task list.
Spectacled eider (Somateria fischeri)	2	14.13	Develop a visibility correction factor for the North Slope Eider Survey.	Not Started			U.S. Fish and Wildlife Service	Research: Population Surveys	Labor type not yet selected	2008- Priority M
Spectacled eider (Somateria fischeri)	2	14.14	Aerial surveys in Arctic Russia (repeat survey methods from 1993-1995)	Not Started			U.S. Fish and Wildlife Service	Research: Population Surveys	Labor type not yet selected	2008- Priority M
Spectacled eider (Somateria fischeri)	2	14.15	Repeat Norton Sound molting survey	Not Started			U.S. Fish and Wildlife Service	Research: Population Surveys	Labor type not yet selected	2008- Priority M

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Spectacled eider (Somateria fischeri)	2	14.16	Mechigmentskaya Bay surveys (aerial)	Not Started			U.S. Fish and Wildlife Service	Research: Population Surveys	Labor type not yet selected	2008- Priority M
Spectacled eider (Somateria fischeri)	2	14.17	Monitor recruitment at Hock Slough, YKD	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service	Research: Demographic Studies	Labor type not yet selected	2008- Priority M
Spectacled eider (Somateria fischeri)	2	14.18	Monitor annual survival at Hock Slough, YKD	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service	Research: Demographic Studies	Labor type not yet selected	2008- Priority M
Spectacled eider (Somateria fischeri)	2	14.19	Monitor productivity at Hock Slough, YKD	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service	Research: Demographic Studies	Labor type not yet selected	2008- Priority M
Spectacled eider (Somateria fischeri)	1	14.2	Continue the Yukon-Kuskokwim Delta Nest Plot Survey and Aerial Breeding Pair Survey used together to provide a nest population estimate.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service	Research: Population Surveys	Labor type not yet selected	2008- Priority 3
Spectacled eider (Somateria fischeri)	2	14.20.	Monitor productivity at North Slope	Ongoing Current			U.S. Fish and Wildlife Service	Research: Demographic Studies	Labor type not yet selected	2008- Priority M
Spectacled eider (Somateria fischeri)	2	14.21	Monitor recruitment at North Slope	Not Started			U.S. Fish and Wildlife Service	Research: Demographic Studies	Labor type not yet selected	2008- Priority M
Spectacled eider (Somateria fischeri)	3	14.22	Nest plot surveys on North Slope	Not Started			U.S. Fish and Wildlife Service	Research: Population Surveys	Labor type not yet selected	2008- Priority L
Spectacled eider (Somateria fischeri)	3	14.23	Nest plot surveys in Arctic Russia (Chaun Delta, Irigiarika Delta)	Not Started			U.S. Fish and Wildlife Service	Research: Population Surveys	Labor type not yet selected	2008- Priority L
Spectacled eider (Somateria fischeri)	3	14.24	Aerial survey on St. Lawrence Island	Not Started			U.S. Fish and Wildlife Service	Research: Population Surveys	Labor type not yet selected	2008- Priority L
Spectacled eider (Somateria fischeri)	3	14.25	Aerial survey on N. Seward peninsula	Not Started			U.S. Fish and Wildlife Service	Research: Population Surveys	Labor type not yet selected	2008- Priority L
Spectacled eider (Somateria fischeri)	3	14.26	Monitor annual survival at Indigirka River Delta, Arctic Russia	Not Started			U.S. Fish and Wildlife Service	Research: Demographic Studies	Labor type not yet selected	2008- Priority L
Spectacled eider (Somateria fischeri)	3	14.27	Monitor productivity at Indigirka River Delta, Arctic Russia	Not Started			U.S. Fish and Wildlife Service	Research: Demographic Studies	Labor type not yet selected	2008- Priority L
Spectacled eider (Somateria fischeri)	3	14.28	Monitor recruitment at Indigirka River Delta, Arctic Russia	Not Started			U.S. Fish and Wildlife Service	Research: Competition	Labor type not yet selected	2008- Priority L

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Spectacled eider (Somateria fischeri)	1	14.3	Capture and mark adult female spectacled eiders nesting on Kigigak Island, Yukon Delta NWR to estimate annual survival.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service	Research: Demographic Studies	Labor type not yet selected	2008- Priority 7
Spectacled eider (Somateria fischeri)	1	14.4	Determine whether Ledyard Bay is a staging and molting area for North Slope or Arctic Russia breeding populations.	Partially Complete	FY 2008		U.S. Fish and Wildlife Service	Research: Demographic Studies	Labor type not yet selected	2010 - Priority 7
Spectacled eider (Somateria fischeri)	1	14.5	Repeat the survey of the wintering area every 5-10 years after 2010.	Ongoing Current	FY 2008		U.S. Fish and Wildlife Service	Research: Population Surveys	Labor type not yet selected	2010 - Priority 10b
Spectacled eider (Somateria fischeri)	1	14.6	Continue the Arctic Coastal Plain Survey.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service	Research: Population Surveys	Labor type not yet selected	2010- Priority 14
Spectacled eider (Somateria fischeri)	1	14.7	Monitor recruitment of spectacled eiders on Kigigak Island, Yukon Delta NWR.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service	Research: Demographic Studies	Labor type not yet selected	2010- Priority 20a
Spectacled eider (Somateria fischeri)	1	14.8	Monitor productivity of spectacled eiders on Kigigak Island, Yukon Delta NWR.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service	Research: Demographic Studies	Labor type not yet selected	2010- Priority 20b
Spectacled eider (Somateria fischeri)	1	14.9	Repeat Norton Sound molting survey.	Not Started			U.S. Fish and Wildlife Service	Research: Population Surveys	Labor type not yet selected	2010- Priority 20d
Spectacled eider (Somateria fischeri)	1	15.1	Explore hypothesis that sub-adults winter separately from adults.	Partially Complete			U.S. Fish and Wildlife Service	Research: Demographic Studies	Labor type not yet selected	2010- Priority 12b
Spectacled eider (Somateria fischeri)	1	15.2	Evaluate factors affecting duckling growth and survival, including changes in salinity.	Partially Complete	FY 2009		U.S. Fish and Wildlife Service	Research: Other Information	Labor type not yet selected	2010 - Task 26b was incorporated into this task. Priority is 18.
Spectacled eider (Somateria fischeri)	1	15.3	Determine cause and population effects of egg inviability.	Partially Complete	FY 2005		U.S. Fish and Wildlife Service	Research: Disease	Labor type not yet selected	2010 - Priority 19
Spectacled eider (Somateria fischeri)	2	15.4	Examine breeding season diets of SPEI (added January 2006).	Partially Complete	FY 2007		U.S. Fish and Wildlife Service	Research: Dietary Studies	Labor type not yet selected	2008- Priority M

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Spectacled eider (Somateria fischeri)	2	15.5	Maintain captive flock of spectacled eiders.	Ongoing Current	FY 2005		U.S. Fish and Wildlife Service	Management: Propagation	Labor type not yet selected	2008- Priority M
Spectacled eider (Somateria fischeri)	3	15.6	Develop techniques for diet assessment.	Partially Complete	FY 2007		U.S. Fish and Wildlife Service	Research: Dietary Studies	Labor type not yet selected	2008- Priority L
Spectacled eider (Somateria fischeri)	1	16.1	Develop technique and identify information needs for evaluating cumulative effects of human development on spectacled eiders.	Not Started			U.S. Fish and Wildlife Service	Management: Other	Labor type not yet selected	2010- Priority 27a
Spectacled eider (Somateria fischeri)	1	2.1	Evaluate the feasibility and efficacy of fox control on the Yukon Kuskokwim Delta where foxes may be affecting spectacled eiders.	Complete	FY 2006		U.S. Fish and Wildlife Service	Management: Predator and Competitor Control	Labor type not yet selected	2010- Priority 2, not yet removed from task list by recovery team
Spectacled eider (Somateria fischeri)	1	2.2	Evaluate the feasibility and efficacy of gull control on the Yukon Kuskokwim Delta where gulls may be affecting spectacled eiders.	Not Started			U.S. Fish and Wildlife Service	Management: Predator and Competitor Control	Labor type not yet selected	2010- Priority 15a
Spectacled eider (Somateria fischeri)	3	2.3	Implement local fox/gull/raven control on North Slope	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service	Management: Predator and Competitor Control	Labor type not yet selected	2008- Priority L
Spectacled eider (Somateria fischeri)	3	2.4	Investigate whether fisheries enhance SPEI predator populations	Not Started			U.S. Fish and Wildlife Service	Management: Predator and Competitor Control	Labor type not yet selected	2008- Priority L
Spectacled eider (Somateria fischeri)	1	3.1	Evaluate and predict effects of environmental change in marine habitats on spectacled eiders.	Partially Complete	FY 2009		U.S. Fish and Wildlife Service	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	2008- Priority 5
Spectacled eider (Somateria fischeri)	1	3.2	Evaluate and predict effects of environmental change in breeding areas on spectacled eiders.	Partially Complete	FY 2009		U.S. Fish and Wildlife Service	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	2008- Priority 6

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Spectacled eider (Somateria fischeri)	1	3.3	Examine effects of pond salinity on spectacled eiders (especially ducklings).	Discontinued	FY 2007		U.S. Fish and Wildlife Service	Research: Habitat Requirements	Labor type not yet selected	2010 - Included in task 18.
Spectacled eider (Somateria fischeri)	2	3.4	SPEI winter energetics study	Partially Complete			U.S. Fish and Wildlife Service	Research: General	Labor type not yet selected	2009 - moved to high priority but not yet ranked.
Spectacled eider (Somateria fischeri)	2	3.5	Study environmental patterns and processes on the Yukon-Kuskokwim Delta to guide management actions such as predator control (SPEI) and re-introduction (STEI) (added January 2006)	Partially Complete	FY 2009		U.S. Fish and Wildlife Service	Management	Labor type not yet selected	2008- Priority M
Spectacled eider (Somateria fischeri)	2	3.6	How may changes in winter ice conditions affect eiders	Complete	FY 2009		U.S. Fish and Wildlife Service	Research: Habitat Requirements	Labor type not yet selected	2009 - removed by team as completed
Spectacled eider (Somateria fischeri)	3	3.7	Examine historical middens to determine whether population oscillations have occurred	Not Started			U.S. Fish and Wildlife Service	Research: Population Assessment	Labor type not yet selected	2008- Priority L
Spectacled eider (Somateria fischeri)	1	4.1	Increase education efforts across the range of the spectacled eider to eliminate take.	Discontinued	FY 2000 - FY 2004		U.S. Fish and Wildlife Service	Other: Information and Education	Labor type not yet selected	2009 - Combined with task 8b (now task #8: Improve education efforts across the range of the spectacled eider to eliminate take and the use of lead shot) and removed from list.
Spectacled eider (Somateria fischeri)	1	4.2	Develop a subsistence harvest monitoring program with the appropriate evaluation instrument to reliably quantify the take of spectacled eiders throughout their range	Partially Complete	FY 2009		U.S. Fish and Wildlife Service	Other: Regulations	Labor type not yet selected	2010- Priority 10a

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Spectacled eider (Somateria fischeri)	1	4.3	In concert with education efforts, improve law enforcement across the range of the spectacled eider to eliminate take.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service	Other: Law Enforcement	Labor type not yet selected	2010 - Priority 15b
Spectacled eider (Somateria fischeri)	1	5.1	Continue education program involving villages, barge companies, and others of eider concentrations in an effort to prevent the chronic and acute oiling of spectacled eiders	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service	Other: Information and Education	Labor type not yet selected	2010 - Priority 26
Spectacled eider (Somateria fischeri)	2	5.2	Provide updated information regarding eider concentration areas and spill response strategies to appropriate agencies/organizations so Response Plans (geographic and Local) can be revised; also identify rehabilitation requirements/conditions and obligations and protocols for handling oiled birds. (Task changed to M at January 2006 meeting)	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service	Management: Reduce Threats in/to Marine Habitats	Labor type not yet selected	2008- Priority M
Spectacled eider (Somateria fischeri)	2	5.3	In cooperation with the U.S. Coast Guard, develop Best Management Practices protocol for fuel shipping and transfer in areas used by spectacled eiders.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service	Management: Reduce Threats in/to Marine Habitats	Labor type not yet selected	2008- Priority M
Spectacled eider (Somateria fischeri)	2	5.4	Encourage development of spill clean-up in broken ice	Not Started			U.S. Fish and Wildlife Service	Management: Reduce Threats in/to Marine Habitats	Labor type not yet selected	2008- Priority M
Spectacled eider (Somateria fischeri)	3	5.5	Evaluate relative risks of wind/fossil fuel energy to SPEI	Not Started			U.S. Fish and Wildlife Service	Management: Planning	Labor type not yet selected	2008- Priority L

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Spectacled eider (Somateria fischeri)	3	5.6	Evaluate impacts of spills on SPEI in Beaufort	Ongoing Current			U.S. Fish and Wildlife Service	Management: Reduce Threats in/to Marine Habitats	Labor type not yet selected	2008- Priority L
Spectacled eider (Somateria fischeri)	1	6.1	Continue studies to increase understanding of the incidence and impact of diseases on eiders.	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service	Research: Disease	Labor type not yet selected	2010- Priority 20c
Spectacled eider (Somateria fischeri)	2	7.1	Initiate government to government (Alaska to Chukotka) discussions regarding duck management relative to hunting spectacled eiders, particularly where such hunting affects American breeding populations.	Not Started			U.S. Fish and Wildlife Service	Management: International Cooperation	Labor type not yet selected	2008- Priority M
Spectacled eider (Somateria fischeri)	2	7.2	Investigate the Red Data Book criteria for listing species in the Chukotka Red Book and contact the Committee for Nature Conservation to request consideration of including the spectacled (and Steller's) eiders on the Red Book List; focus particularly on areas where American breeding birds spend time in Russia.	Not Started			U.S. Fish and Wildlife Service	Management: International Cooperation	Labor type not yet selected	2008- Priority M
Spectacled eider (Somateria fischeri)	2	7.3	Develop (translate, adapt Alaska/U.S.) information and education materials on listed eiders and make them available in Russia, focusing particularly on areas in Russia where American breeding populations spend time.	Not Started			U.S. Fish and Wildlife Service	Management: International Cooperation	Labor type not yet selected	2008- Priority M

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Spectacled eider (Somateria fischeri)	2	7.4	Investigate developing cooperative efforts with eastern Chukotkan native groups to conduct education efforts and harvest surveys.	Not Started			U.S. Fish and Wildlife Service	Management: International Cooperation	Labor type not yet selected	2008- Priority M
Spectacled eider (Somateria fischeri)	2	7.5	Bilateral treaty talks (education).	Not Started			U.S. Fish and Wildlife Service	Management: International Cooperation	Labor type not yet selected	2008- Priority M
Spectacled eider (Somateria fischeri)	1	8.1	Develop and distribute education materials to educate researchers working in spectacled eider breeding areas as to their obligations under the ESA and identify the actions they should take to minimize the impacts of their studies on spectacled eiders.	Partially Complete	FY 2008		U.S. Fish and Wildlife Service	Other: Information and Education	Labor type not yet selected	2010 - Priority 27c
Spectacled eider (Somateria fischeri)	2	8.2	Evaluate researcher impact of intensive study site at Kigigak Island.	Partially Complete	FY 2007		U.S. Fish and Wildlife Service	Research: Management Techniques	Labor type not yet selected	2008- Priority M
Spectacled eider (Somateria fischeri)	2	8.3	Conduct a tower-based multi-species visitor disturbance study.	Not Started			U.S. Fish and Wildlife Service	Research: Management Techniques	Labor type not yet selected	2008- Priority M
Spectacled eider (Somateria fischeri)	1	9.1	Evaluate and reduce impacts from oil and gas activities on spectacled eiders in the Chukchi Sea, particularly in Critical Habitat in Ledyard Bay.	Ongoing Current	FY 2007		U.S. Fish and Wildlife Service	Other: Administration	Internal Technical Assistance	2008- Priority 4
Spectacled eider (Somateria fischeri)	1	9.2	Evaluate and reduce impacts of commercial fishing on spectacled eiders in the Bering Sea, particularly in Critical Habitat south of St. Lawrence Island.	Ongoing Current	FY 2009		U.S. Fish and Wildlife Service	Management: Monitor and Estimate Bycatch	Labor type not yet selected	2009 - Moved to medium priority.

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Spectacled eider (Somateria fischeri)	3	9.3	Obtain bycatch information from gillnet fisheries in Kolyma, Indiyirka, Mechigmski (subsistence mostly).	Not Started			U.S. Fish and Wildlife Service	Management: Reduce Threats in/to Marine Habitats	Labor type not yet selected	2008- Priority L
Spectacled eider (Somateria fischeri)	3	9.4	Investigate feasibility of having at-sea processors dispose of fish offal (a supplemental food source for gulls) beneath the surface where it is unavailable to most non-diving seabirds, including gulls.	Not Started			U.S. Fish and Wildlife Service	Management: Reduce Threats in/to Marine Habitats	Labor type not yet selected	2008- Priority L